

National Air Pollutant Emissions Estimates  
(fires and dust excluded)  
For Major Pollutants

	Millions of Tons Per Year							
	<u>1970</u>	<u>1975</u>	<u>1980</u>	<u>1985<sup>1</sup></u>	<u>1990</u>	<u>1995</u>	<u>2000<sup>1</sup></u>	<u>2004<sup>2</sup></u>
Carbon Monoxide (CO)	197.3	184.0	177.8	169.6	143.6	120.0	102.4	87.2
Nitrogen Oxides (NOx) <sup>3</sup>	26.9	26.4	27.1	25.8	25.2	24.7	22.3	18.8
Particulate Matter (PM) <sup>4</sup>								
PM10	12.2 <sup>1</sup>	7.0	6.2	3.6	3.2	3.1	2.3	2.5
PM2.5 <sup>5</sup>	NA	NA	NA	NA	2.3	2.2	1.8	1.9
Sulfur Dioxide (SO <sub>2</sub> )	31.2	28.0	25.9	23.3	23.1	18.6	16.3	15.2
Volatile Organic Compounds (VOC)	33.7	30.2	30.1	26.9	23.1	21.6	16.9	15.0
Lead <sup>6</sup>	0.221	0.16	0.074	0.022	0.005	0.004	0.003	0.003
Totals <sup>7</sup>	301.5	275.8	267.2	249.2	218.2	188.0	160.2	138.7

Notes:

1. In 1985 and 1996 EPA refined its methods for estimating emissions. Between 1970 and 1975, EPA revised its methods for estimating particulate matter emissions.
2. The estimates for 2004 are preliminary.
3. NOx estimates prior to 1990 include emissions from fires. Fires would represent a small percentage of the NOx emissions.
4. PM estimates do not include condensable PM, or the majority of PM2.5 that is formed in the atmosphere from 'precursor' gases such as SO<sub>2</sub> and NOx.
5. EPA has not estimated PM2.5 emissions prior to 1990.
6. The 1999 estimate for lead is used to represent 2000 and 2003 because lead estimates do not exist for these years.
7. PM2.5 emissions are not added when calculating the total because they are included in the PM10 estimate.